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Complement modulation in renal replacement therapy

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COMPLEMENT MODULATION IN RENAL REPLACEMENT THERAPY

FROM DIALYSIS TO RENAL TRANSPLANTATION

Felix Poppelaars

‘Complement modulation in renal replacement therapy’

Felix Poppelaars, RijksUniversiteit Groningen

1. Current hemodialysis membranes still activate the complement system and are therefore bioincompatible. *(this thesis)*
2. Mannose-binding lectin may have a beneficial effect on cardiovascular outcome in hemodialysis patients. *(this thesis)*
3. Complement inhibition is a promising approach to eliminate an inflammatory trigger during dialysis. *(this thesis)*
4. Activation of complement by modern therapeutics has important implications for their clinical use. *(this thesis)*
5. Inhibition of complement at different levels of the cascade attenuates renal injury in brain-dead rodents; however the optimal target for intervention is early complement components. *(this thesis)*
6. Novel pharmacological approaches for the treatment of renal ischemia-reperfusion injury should focus on the anaphylatoxin receptor C5aR2. *(this thesis)*
7. The Complotype risk score could improve the prediction of graft loss, and identify renal patients that might benefit from treatment with complement inhibitors. *(this thesis)*
8. Complement activation occurs in all types of renal replacement therapy, however the ideal treatment strategy will differ per modality. *(this thesis)*
9. Transplantation immunology and tumor immunology are opposite sides of the same coin.
10. It is as noble to aim towards balance as towards perfection. *(Jean Grenier)*
11. The darkest hour of the night is just before dawn. *(Thomas Fuller)*
12. Creativiteit heeft een incubatietijd nodig, en een aantal valse starts. *(Piers Steels)*
13. A wise man will make more opportunities than he finds. *(Francis Bacon)*
14. Truth is the daughter of time, not of authority. *(Francis Bacon)*



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From dialysis to renal transplantation

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Voor mijn ouders,

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